

# Living With the Sun



## ENERGY AND ENVIRONMENT - Monthly Lecture Series 2004



**3<sup>rd</sup> Thursday - 7 to 9 PM**

**City of Scottsdale, Community Design Studio, 7506 E. Indian School Rd.**  
(NE corner of 75<sup>th</sup> Street & Indian School Road)

The *Energy and Environment* Lecture Series is sponsored by the Arizona Solar Energy Association and the Arizona Solar Center in cooperation with the City of Scottsdale Green Building Program.

<b>February 19, 2004</b>	<b>ISSUE: Energy and Environment -- Overview</b> Introduction to the Series with a history and perspectives re: energy and its role in our lives.
<b>March 18, 2004</b>	<b>RESOURCES: Toward Security, Stability and Sustainability – Renewable Energy Opportunities for Power and Independence</b> Overview of renewable energy power sources including wind, water, geothermal, hydrogen, and solar.
<b>April 15, 2004</b>	<b>STRATEGIES: Site and Situation – Planning, Designing and Landscaping for Appropriate Desert Integration</b> Energy and resource efficient site planning and landscaping.
<b>May 20, 2004</b>	<b>STRATEGIES: Passive First – Reduction of Power Demands Through Design With Nature</b> Passive solar strategies for an energy efficient building through orientation, spatial arrangement, materials selection, and building element placement.
<b>June 17, 2004</b>	<b>TECHNOLOGIES: Water – Meeting Human Needs and Comfort</b> Resource efficiency, applications, and solar heating for domestic use for pools, washing, and bathing, and for health (distilling).
<b>July 15, 2004</b>	<b>TECHNOLOGIES: Space Heating and Cooling – Passive and Active Renewable Energy (R.E.) Systems for Gaining Comfort</b> R.E. heating and cooling thermal mass and skin approaches—from building materials to cool towers and roof ponds.
<b>August 19, 2004</b>	<b>TECHNOLOGIES: Power From the Sun – Independence and security with Photovoltaics</b> Overview of photovoltaic utilization and integration.
<b>September 16, 2004</b>	<b>TECHNOLOGIES: What's Cooking? – Hot Food and Clean Water Using the Sun</b> A popular past lecture returned by public demand – using the sun's heat to cook our food and purify our water.
<b>October 21, 2004</b>	<b>MOTIVATIONS: Incentives and Opportunities in Using Renewables</b> Economic and environmental benefits from using renewable energy.
<b>November 18, 2004</b>	<b>RENEWABLE FUTURES: Visions of Appropriateness</b> Renewable energy buildings and communities – a view of the future with local designers sharing their visions.

The lectures are **free**, but may be changed or altered from time to time. Please check the Calendar on the Solar Center website [www.azsolarcenter.com](http://www.azsolarcenter.com) for updates. For more information, please call Dan Aiello, lecture coordinator at (602) 952-8192 or Anthony Floyd, City of Scottsdale at (480) 312-4202.